



Weekly Construction Report

Hatchery Creek Design/Build Project



Time Period:	August 24-29, 2015	Project No:	1305
Rain Days/Weather Conditions:	No rain this week.		
Personnel on-site:	<p><i>EcoGro/Ridgewater:</i> Tom Cutter, Eric Dawalt, Jim Hanssen, Larry Mounce, Brad Redmon, Randall Starns, Sherri Arthur Trucking-John Arthur.</p> <p><i>Stantec:</i> George Athanasakes and Michael Sendelbach for survey stakeout and wood loading measurements on Monday and Tuesday.</p>		
Equipment on-site:	Komatsu PC 360 excavator w/ hyd. thumb, Komatsu PC 450 excavator, Komatsu PC 220 long arm excavator, Komatsu PC 160 (mobilized Monday) and Terex TA27 articulated off-road dump truck.		
Material deliveries to project site:	<ul style="list-style-type: none"> ▪ One pallet of wooden stakes for erosion control blanket ▪ 883 tons of 24"+ diameter rock to Site #3. ▪ 24 tons of #2 stone installed on haul roads. 		
Work performed the past week:	<ul style="list-style-type: none"> • Site #3/Step Pool Reach ~Sta. 159+25 to 160+50: <ul style="list-style-type: none"> ○ Excavated soil that had washed into channel down to design excavation grade. ○ Built floodplain berm at head of step pools with excavated soil. ○ Installed non-woven geotextile fabric and ~12" layer of shot rock to from ~ Sta. 159+25 to 159+75. ○ Installed 24" diameter rock layer over shot rock layer from Sta. 159+25 to 159+75. Installed 24" dia. rock directly in channel from 159+75 to 160+50 because proposed thalweg was under the river level at no flow. ○ Excavated soil and installed 24" diameter rock in ~20 linear feet of Tributary Z next to Hatchery Creek. • Site #2/ Sta. 141+00 to 147+00: <ul style="list-style-type: none"> ○ Built riffle and pools from Sta. 144+40 to 146+50, except for boulders in rock and roll riffle at Sta. 145+54. ○ Excavated soil left by Corps contractor from Sta. 142+00 to 142+50 on left descending bank. ○ Started building riffle at Sta. 142+18. 		
Erosion & sediment controls installed/maintained:	<ul style="list-style-type: none"> ❖ Turbidity current at Site #3 was removed as rock was added to stabilize channel. ❖ Entire channel at Site #3 has been lined with rock up to 4' deep on sides of channel. 		
Work scheduled for next week:	<ul style="list-style-type: none"> ✦ Finish excavating eroded sediment from Site #3. ✦ Install step pools at river and work upstream. ✦ Finish building channel from 142+18 to 147+00, including rock and roll riffle at 145+54. Add rock sills and spawning gravel. ✦ Install upwelling pipe from 144+40 to 146+40. 		
Work planned for two weeks ahead:	<ul style="list-style-type: none"> ✦ Continue building step pools at river and work upstream. ✦ Excavate road fill at Tributary Z and install rock sills. 		
General Comments:	<ul style="list-style-type: none"> ➤ The USACE Nashville District was able to provide no flow from 6:00 a.m. to 12:00 p.m. Monday through Friday which enabled Site #3 to be dry enough to work. They plan to have a similar no flow release for next Monday through Friday for step pool construction. ➤ Attendees of the Kentucky Association of Mitigation Managers (KAMM) conference, being held at the state park, toured the site on Monday. 		
Prepared by: Eric Dawalt, P.E.	Date: 8-29-2015		



Weekly Construction Report

Hatchery Creek Design/Build Project



Pictures from this week's construction:



Excavating washed in soil with long arm excavator on Site #3 at ~Sta. 159+75 during no flow release from Wolf Creek Dam. (Picture taken looking downstream towards Cumberland River).



Excavating washed in soil with long arm excavator on Site #3 at ~Sta. 159+75 during no flow release from Wolf Creek Dam. (Picture taken looking upstream from Cumberland River).



Weekly Construction Report

Hatchery Creek Design/Build Project



Installing 24" diameter rock in channel at ~Sta. 159+75. (Picture taken looking downstream towards Cumberland River).



Installing 24" diameter rock in Tributary Z channel at ~Sta. 159+70. (Picture taken looking upstream from Cumberland River).



Weekly Construction Report

Hatchery Creek Design/Build Project



"Lunker bunker" rock/wood toe installed in pool at Sta. 145+25. (Picture taken from ~Sta. 145+50 looking upstream at right descending bank).